

## INSTALLATION TOOL FOR AEROSPACE FASTENING SYSTEM

### ABSTRACT OF THE DISCLOSURE

5           A system, for installation of fastening systems to a structure, includes  
a fastening system installation specification, which includes dimensional and  
qualitative requirements for components of the fastening systems; and a tool.  
The tool includes an outer housing having an interior hollow, a gage surface,  
and a base surface, the base surface having a contact area that contacts the  
10 surface of the structure. An inner plug disposed within the interior hollow  
translates axially within the interior hollow. The inner plug has a sensing end  
that contacts a bolt of the fastening system and references the shank section of  
the bolt. The inner plug has an indicator end dimensioned to accept washers  
and nuts of the fastening system stacked on the gage surface. The inner plug  
15 has an indicator that provides installation information, according to either  
qualitative or dimensional requirements, about the components of the fastening  
system being installed using the tool.